

10/607,538

CAPLUS
BIOSIS

4/24/06

=> file caplus biosis

=> s (rommens, c?)/au

L1 110 (ROMMENS, C?)/AU

=> s (marker?(5a)(free? or delet? or excis? or without))/ab,bi

L2 6101 (MARKER?(5A)(FREE? OR DELET? OR EXCIS? OR WITHOUT))/AB,BI

=> s ((t(w)dna?)(5a)(free? or delet? or excis? or without))/ab,bi

L3 220 ((T(W) DNA?)(5A)(FREE? OR DELET? OR EXCIS? OR WITHOUT))/AB,BI

=> s l2 or l3

L4 6290 L2 OR L3

=> s l1 and l4

L5 6 L1 AND L4

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 3 DUP REM L5 (3 DUPLICATES REMOVED)

=> d l6 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1

AN 2004:707057 CAPLUS

DN 141:361156

TI All-native DNA transformation: a new approach to plant genetic engineering

AU **Rommens, Caius M.**

CS Simplot Plant Sciences, J.R. Simplot Company, Boise, ID, 83706, USA

SO Trends in Plant Science (2004), 9(9), 457-464

CODEN: TPSCF9; ISSN: 1360-1385

printed

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

AN 2004:429500 CAPLUS

DN 141:100743

TI Crop improvement through modification of the plant's own genome

AU **Rommens, Caius M.**; Humara, Jaime M.; Ye, Jingsong; Yan, Hua;

Richaehl, Craig; Zhang, Lynda; Perry, Rachel; Swords, Kathleen

CS Simplot Plant Sciences, J.R. Simplot Company, Boise, ID, 83706, USA

SO Plant Physiology (2004), 135(1), 421-431

CODEN: PLPHAY; ISSN: 0032-0889

May printed

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3

AN 1989:626550 CAPLUS

DN 111:226550

TI A comparative study of Tam3 and Ac transposition in transgenic tobacco and petunia plants

AU Haring, Michel A.; Gao, Jie; Volbeda, Tjeerd; **Rommens, Caius M. T.**

; Nijkamp, H. John J.; Hille, Jacques

CS Dep. Genet., Free Univ., Amsterdam, 1081 HV, Neth.

SO Plant Molecular Biology (1989), 13(2), 189-201

CODEN: PMBIDB; ISSN: 0167-4412

=> d l6 3 ab

=> s (ye, j?)/au

L7 3764 (YE, J?)/AU

=> s (menendez, j?)/au

L8 578 (MENENDEZ, J?)/AU

=> s (humara, j?)/au

```

L9          36 (HUMARA, J?)/AU

=> s (swords, k?)/au
L10         28 (SWORDS, K?)/AU

=> s (yan, h?)/au
L11         3925 (YAN, H?)/AU

=> s l7 or l8 or l9 or l10 or l11
L12         8307 L7 OR L8 OR L9 OR L10 OR L11

=> s l12 and l4
L13         6 L12 AND L4

=> dup rem l13
PROCESSING COMPLETED FOR L13
L14         4 DUP REM L13 (2 DUPLICATES REMOVED)

=> s l14 not l6
L15         3 L14 NOT L6

=> d l15 1-3

L15  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN
AN    2003:661896  CAPLUS
DN    140:197084
TI    Significance of F/T PSA ratio in diagnosis of prostate disease
AU    Yan, Huan; Hu, Zhidong; Wang, Xianfa; Zhong, Shuyou
CS    Department of Microbiology + Immunology, Tianjin Medical University,
      Tianjin, 300052, Peop. Rep. China
SO    Tianjin Yiyao (2002), 30(12), 728-729
      CODEN: TIYADG; ISSN: 0253-9896

L15  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN
AN    2001:228051  CAPLUS
DN    135:314373
TI    Novel constructions to enable the integration of genes into the
      Agrobacterium tumefaciens C58 chromosome
AU    Lee, Lan-Ying; Humara, Jaime M.; Gelvin, Stanton B.
CS    Department of Biological Sciences, Purdue University, West Lafayette, IN,
      47907-1392, USA
SO    Molecular Plant-Microbe Interactions (2001), 14(4), 577-579
      CODEN: MPMIEL; ISSN: 0894-0282

L15  ANSWER 3 OF 3  BIOSIS  COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN    2006:183662  BIOSIS
DN    PREV200600185774
TI    Anti-angiogenic effects of mTOR-inhibitors is regulated by AKT activity
      in multiple myeloma cells.
AU    Frost, Patrick [Reprint Author]; Hoang, Bao; Shi, Yijiang; Yan,
      Huaajun; Lichtenstein, Alan
CS    W Los Angeles VA Med Ctr, Dept Hematol Oncol, Los Angeles, CA USA
SO    Blood, (NOV 16 2005) Vol. 106, No. 11, Part 1, pp. 951A.
      Meeting Info.: 47th Annual Meeting of the American-Society-of-Hematology.
      Atlanta, GA, USA. December 10 -13, 2005. Amer Soc Hematol.
      CODEN: BLOOAW. ISSN: 0006-4971.

=> d l15 1 3 ab

=> d l15 2 ab

=> s l2 and l3
L16         31 L2 AND L3

```

=> dup rem l16
PROCESSING COMPLETED FOR L16
L17 22 DUP REM L16 (9 DUPLICATES REMOVED)

=> s l17 not l6
L18 21 L17 NOT L6

=> s l18 not l15
L19 21 L18 NOT L15

=> d l19 1-21

L19 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:841865 CAPLUS
DN 143:223628
TI Method for cultivating selectable **marker-free**
transgenic rice with double T-DNA vector
IN Zhu, Zhen; Li, Xugang
PA Institute of Genetics, Chinese Academy of Sciences, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 22 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1445370	A	20031001	CN 2002-107429	20020315
PRAI	CN 2002-107429		20020315		

L19 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:367633 CAPLUS
DN 143:319863
TI **Excision** of a selectable **marker** in transgenic rice
(Oryza sativa L.) using a chemically regulated Cre/loxP system
AU Sreekala, C.; Wu, L.; Gu, K.; Wang, D.; Tian, D.; Yin, Z.
CS Laboratory of Molecular Plant Pathology, Temasek Life Sciences Laboratory,
National University of Singapore, Singapore, 117604, Singapore
SO Plant Cell Reports (2005), 24(2), 86-94
CODEN: PCRPD8; ISSN: 0721-7714

L19 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:93278 CAPLUS
DN 142:457657
TI Green fluorescent protein as a vital elimination **marker** to
easily screen **marker-free** transgenic progeny derived
from plants co-transformed with a double T-DNA binary vector system
AU Chen, Songbiao; Li, Xugang; Liu, Xiang; Xu, Hongling; Meng, Kun; Xiao,
Guifang; Wei, Xiaoli; Wang, Feng; Zhu, Zhen
CS Institute of Genetics and Developmental Biology, Chinese Academy of
Sciences, Beijing, 100101, Peop. Rep. China
SO Plant Cell Reports (2005), 23(9), 625-631
CODEN: PCRPD8; ISSN: 0721-7714

L19 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:1153846 CAPLUS
DN 143:1868
TI Generating **marker-free** transgenic tobacco plants by
Agrobacterium-mediated transformation with double T-DNA binary vector
AU Zhou, Hongyan; Chen, Songbiao; Li, Xugang; Xiao, Guifang; Wei, Xiaoli;
Zhu, Zhen
CS Institute of Genetics and Developmental Biology, The Chinese Academy of
Sciences, Beijing, 100101, Peop. Rep. China
SO Acta Botanica Sinica (2003), 45(9), 1103-1108
CODEN: ABSCG9; ISSN: 1672-6650

L19 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:892639 CAPLUS

DN 142:255432

TI Generation of **marker-free** transgenic maize by regular two-border Agrobacterium vectors

AU Huang, Shihshieh; Gilbertson, Larry; Adams, Tom; Malloy, Kathleen; Reisenbigler, Emily; Birr, Darren; Snyder, Mark; Zhang, Qiang; Luethy, Michael

CS Mystic Research, Monsanto Company, Mystic, CT, 06355, USA

SO Transgenic Research (2004), 13(5), 451-461

CODEN: TRSEES; ISSN: 0962-8819

✓
(October)
Printed

L19 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:562409 CAPLUS

DN 141:308241

TI A Novel Two T-DNA Binary Vector Allows Efficient Generation of **Marker-free** Transgenic Plants in Three Elite Cultivars of Rice (*Oryza sativa* L.)

AU Breitler, Jean-Christophe; Meynard, Donaldo; Van Boxtel, Jos; Royer, Monique; Bonnot, Francois; Cambillau, Laurence; Guiderdoni, Emmanuel

CS Biotrop and Crop Protection Programmes, Cirad-Amis, UMR PIA1096, TA40/03, Montpellier, F-34398, Fr.

SO Transgenic Research (2004), 13(3), 271-287

CODEN: TRSEES; ISSN: 0962-8819

L19 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:276697 CAPLUS

DN 141:122373

TI Production of γ -linolenic acid and stearidonic acid in seeds of **marker-free** transgenic soybean

AU Sato, Shirley; Xing, Aiqiu; Ye, Xingguo; Schweiger, Bruce; Kinney, Anthony; Graef, George; Clemente, Tom

CS Center for Biotechnology, Univ. of Nebraska, Lincoln, NE, 68588, USA

SO Crop Science (2004), 44(2), 646-652

CODEN: CRPSAY; ISSN: 0011-183X

L19 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:521292 CAPLUS

DN 140:36639

TI Transgene behaviour in populations of rice plants transformed using a new dual binary vector system: pGreen/pSoup

AU Vain, P.; Afolabi, A. S.; Worland, B.; Snape, J. W.

CS John Innes Centre, Norwich, NR4 7UH, UK

SO Theoretical and Applied Genetics (2003), 107(2), 210-217

CODEN: THAGA6; ISSN: 0040-5752

L19 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:964526 CAPLUS

DN 138:34142

TI Transposon-mediated removal of ancillary sequences from transforming DNA in transformation of monocotyledonous plants

IN Perez, Pascual; Gerentes, Denise; Praud, Sebastien

PA Rhobio, Fr.

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2002101061	A2	20021219	WO 2002-FR1656	20020516
	WO 2002101061	A3	20031204		
	WO 2002101061	C1	20050428		
	FR 2825579	A1	20021213	FR 2001-7597	20010611

FR 2825579	B1	20040723		
CA 2449661	AA	20021219	CA 2002-2449661	20020516
EP 1395667	A2	20040310	EP 2002-738252	20020516
US 2004199938	A1	20041007	US 2003-733080	20031211
PRAI FR 2001-7597	A	20010611		
WO 2002-FR1656	W	20020516		

10/733,080 - con PAT/FR2/01656

L19 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:740327 CAPLUS
 DN 138:164314
 TI Generation of selection **marker-free** transgenic plants by cotransformation of a cointegrate vector T-DNA and a binary vector T-DNA in one Agrobacterium tumefaciens strain
 AU Jacob, Subha S.; Veluthambi, K.
 CS School of Biotechnology, Department of Plant Biotechnology, Madurai Kamaraj University, Madurai, 625021, India
 SO Plant Science (Shannon, Ireland) (2002), 163(4), 801-806
 CODEN: PLSCE4; ISSN: 0168-9452

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printed

October

L19 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:722267 CAPLUS
 DN 138:181535
 TI Transposon-mediated generation of **T-DNA-** and **marker-free** rice plants expressing a Bt endotoxin gene
 AU Cotsaftis, Olivier; Sallaud, Christophe; Breitler, Jean Christophe; Meynard, Donaldo; Greco, Rafaella; Pereira, Andy; Guiderdoni, Emmanuel
 CS Biotrop Programme, TA40/03, Cirad-Amis, Montpellier, F-34398, Fr.
 SO Molecular Breeding (2002), 10(3), 165-180
 CODEN: MOBRFL; ISSN: 1380-3743

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ORDER

September

L19 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:157997 CAPLUS
 DN 136:211873
 TI Self-excising polynucleotides containing the ϕ C31 recombinase gene for use in dicot and monocot plants
 IN Mankin, Luke
 PA Basf Plant Science G.m.b.H., Germany; McKersie, Bryan
 SO PCT Int. Appl., 60 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

✓
printed

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002016609	A2	20020228	WO 2001-US26738	20010827
	WO 2002016609	A3	20030103		
	CA 2420316	AA	20020228	CA 2001-2420316	20010827
	AU 2001088439	A5	20020304	AU 2001-88439	20010827
	US 2003033635	A1	20030213	US 2001-940550	20010827
	EP 1311695	A2	20030521	EP 2001-968171	20010827
	PRAI US 2000-227961P	P	20000825		
	WO 2001-US26738	W	20010827		

L19 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2001:154981 CAPLUS
 DN 135:367410
 TI The use of the two **T-DNA** binary system to derive **marker-free** transgenic soybeans
 AU Xing, Aiqiu; Zhang, Zhangyuan; Sato, Shirley; Staswick, Paul; Clemente, Tom
 CS Center for Biotechnology, University of Nebraska-Lincoln, USA
 SO In Vitro Cellular & Developmental Biology: Plant (2000), 36(6), 456-463
 CODEN: IVCPEO; ISSN: 1054-5476

L19 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:450156 CAPLUS
DN 134:203371
TI Germinal excision and reinsertion frequencies of the mobile element Ds
transposed from two unlinked T-DNA loci in tomato
AU Briza, J.; Pavingerova, D.; Niedermeierova, H.; Rakousky, S.
CS Institute of Plant Molecular Biology, Academy of Sciences of the Czech
Republic, Branisovska, CZ-370 05, Czech Rep.
SO Biologia Plantarum (2000), 43(2), 185-192
CODEN: BPABAJ; ISSN: 0006-3134

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ORDER

L19 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:488322 CAPLUS
DN 131:224072
TI Selectable **marker-free** transgenic plants
without sexual crossing: transient expression of cre recombinase
and use of a conditional lethal dominant gene
AU Gleave, Andrew P.; Mitra, Deepali S.; Mudge, Stephen R.; Morris, Bret A.
M.
CS Plant Development Group, HortResearch, Auckland, N. Z.
SO Plant Molecular Biology (1999), 40(2), 223-235
CODEN: PMBIDB; ISSN: 0167-4412

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printed;
Am sub
May

L19 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:410028 CAPLUS
DN 131:194885
TI Lessons in gene transfer to plants by a gifted microbe
AU Hansen, G.; Chilton, M. D.
CS Novartis Agribusiness Biotechnology Research, Inc., Research Triangle
Park, NC, 27709, USA
SO Current Topics in Microbiology and Immunology (1999), 240(Plant
Biotechnology), 21-57
CODEN: CTMIA3; ISSN: 0070-217X

L19 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:710696 CAPLUS
DN 128:30948
TI A transgenic mutant of Lactuca sativa (lettuce) with a T-DNA tightly
linked to loss of downy mildew resistance
AU Okubara, Patricia A.; Arroyo-Garcia, Rosa; Shen, Katherine A.; Mazier,
Marianne; Meyers, Blake C.; Ochoa, Oswaldo E.; Kim, Shinje; Yang,
Chang-Hsien; Michelmore, Richard W.
CS Department of Vegetable Crops, University of California, Davis, 95616, USA
SO Molecular Plant-Microbe Interactions (1997), 10(8), 970-977
CODEN: MPMIEL; ISSN: 0894-0282

L19 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:502547 CAPLUS
DN 125:159696
TI Vectors carrying two separate T-DNAs for co-transformation of higher
plants mediated by Agrobacterium tumefaciens and segregation of
transformants **free** from selection **markers**
AU Komari, Toshihiko; Hiei, Yukoh; Saito, Yasuhito; Murai, Nobuhiko;
Kumashiro, Takashi
CS Plant Breeding and Genetics Research Laboratory, Japan Tobacco Inc.,
Iwata, 438, Japan
SO Plant Journal (1996), 10(1), 165-174
CODEN: PLJUED; ISSN: 0960-7412

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L19 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:122008 CAPLUS
DN 124:252681
TI Germinal transpositions of the maize element Dissociation from T-DNA loci
in tomato
AU Carroll, Bernard J.; Klimyuk, Victor I.; Thomas, Colwyn M.; Bishop, Gerard
J.; Harrison, Kate; Scofield, Steven R.; Jones, Jonathan D. G.

CS Sainsbury Laboratory, John Innes Centre, Norwich, NR4 7UH, UK
 SO Genetics (1995), 139(1), 407-20
 CODEN: GENTAE; ISSN: 0016-6731

L19 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1984:623932 CAPLUS
 DN 101:223932
 TI Mini-Ti plasmid and a chimeric gene construct: new approaches to plant
 gene vector construction
 AU De Framond, Annick J.; Bevan, Michael W.; Barton, Kenneth A.; Flavell,
 Richard; Chilton, Mary-Dell
 CS Dep. Biol., Washington Univ., St. Louis, MO, 63130, USA
 SO Miami Winter Symposia (1983), 20(Adv. Gene Technol.: Mol. Genet. Plants
 Anim.), 159-70
 CODEN: MIWSAE; ISSN: 0097-0808

L19 ANSWER 21 OF 21 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
 STN
 AN 1999:362751 BIOSIS
 DN PREV199900362751
 TI The use of the 2 **T-DNA** binary system to obtain
marker free transgenic soybeans.
 AU Xing, Aiqiu [Reprint author]; Sato, Shirley [Reprint author]; Staswick,
 Paul; Clemente, Tom [Reprint author]
 CS Center for Biotechnology, University of Nebraska, Lincoln, NE, 68588-0665,
 USA
 SO In Vitro Cellular and Developmental Biology Animal, (March, 1999) Vol. 35,
 No. 3 PART 2, pp. 39.A. print.
 Meeting Info.: Congress on In Vitro Biology. New Orleans, Louisiana, USA.
 June 5-9, 1999.
 ISSN: 1071-2690.

=> d 119 ab 2-21

=> log y

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